

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P598834

Luminaire Tested: **IFLD-M-SA4A-830-U-SLR**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598834  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-M-SA4A-830-U-SLR  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLR distribution lens  
 Light Source: (64) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

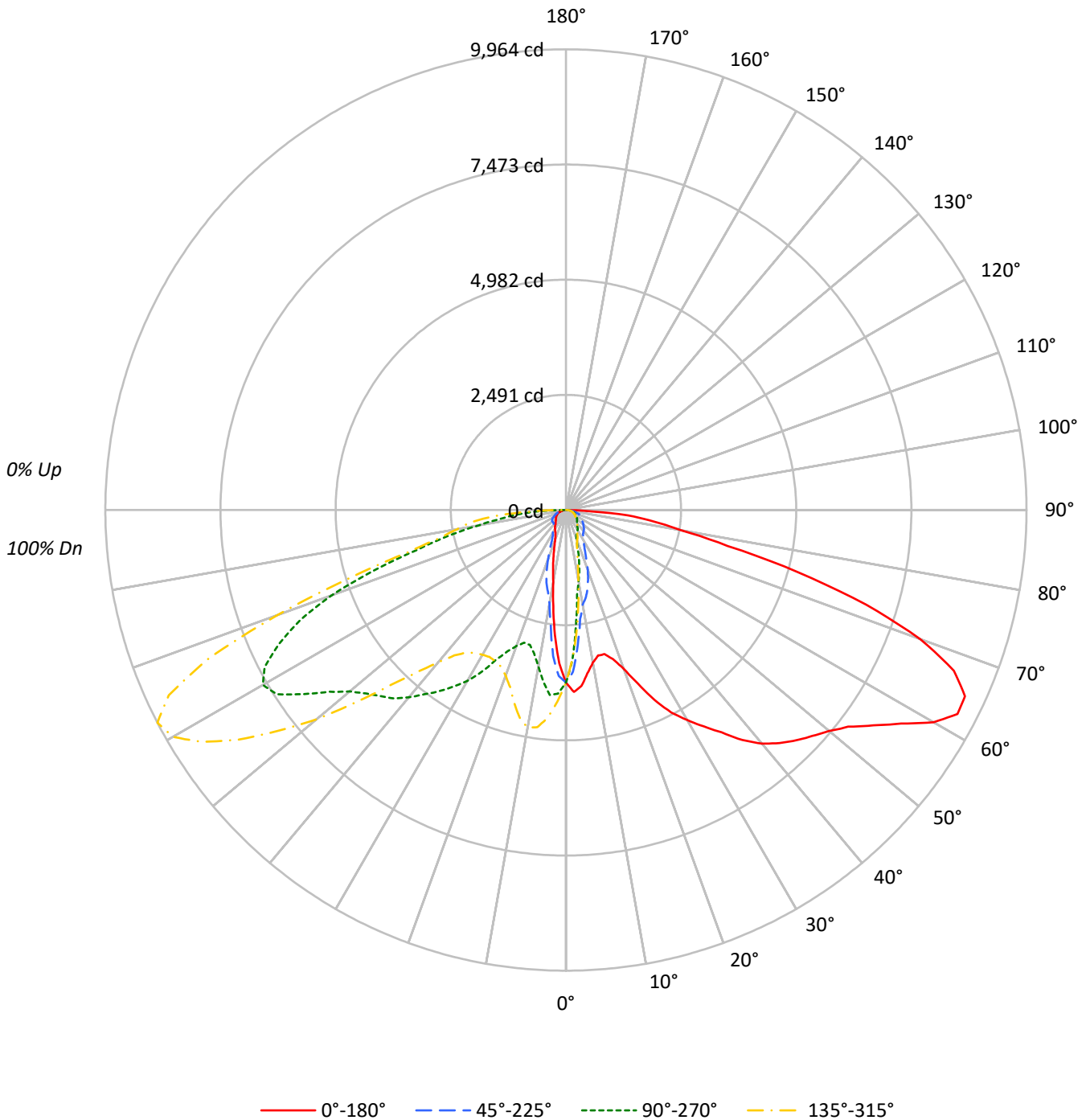
Lumens per Lamp: N/A  
 Luminaire Lumens: 12481.5 lumens  
 Efficiency: N/A  
 Efficacy: 97.1 lumens/watt  
 Spacing Criteria (0/90/45): 1.13 / 0.53 / 0.8  
 Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 128.6  
 Input Voltage (V): 120  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	105	99	94	89	102	97	92	87	92	88	84	88	85	82	85	82	79	77	77	77	77
2	93	83	74	67	90	81	73	66	77	70	64	73	68	63	70	65	61	59	59	59	59
3	83	70	60	52	80	68	59	51	65	57	50	62	55	49	59	53	48	46	46	46	46
4	74	60	49	41	72	59	49	41	56	47	40	53	46	40	51	44	39	36	36	36	36
5	68	52	42	34	65	51	41	34	49	40	33	47	39	33	45	38	32	30	30	30	30
6	62	46	36	28	60	45	35	28	43	34	28	41	34	28	40	33	27	25	25	25	25
7	57	41	31	24	55	40	31	24	39	30	24	37	29	24	36	29	23	21	21	21	21
8	53	37	28	21	51	36	27	21	35	27	21	34	26	21	32	26	20	18	18	18	18
9	49	34	25	19	47	33	24	18	32	24	18	31	23	18	30	23	18	16	16	16	16
10	46	31	22	17	44	31	22	17	29	22	16	28	21	16	28	21	16	14	14	14	14

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	40133	40133	40133	40133
5°	41302	26857	29340	43390
10°	36643	17066	17237	37499
15°	35963	12104	11463	33635
20°	41811	7656	7716	35829
25°	53770	6574	6388	42359
30°	65163	6231	5842	53026
35°	77127	5490	5284	62854
40°	92672	5210	4842	74255
45°	107233	5167	4690	86566
50°	124521	5246	4722	102222
55°	152384	5390	4802	130238
60°	197630	5397	5059	162892
65°	242593	5453	5188	174365
70°	256704	5753	5423	169767
75°	216086	6080	5427	138556
80°	156988	7122	5504	119765
85°	166394	10325	4520	124465

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.6	2.3
10°-20°	603.9	4.8
20°-30°	870.3	7.0
30°-40°	1252.9	10.0
40°-50°	1779.6	14.3
50°-60°	2558.6	20.5
60°-70°	2956.0	23.7
70°-80°	1673.7	13.4
80°-90°	498.1	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1762.7	14.1
0°-40°	3015.6	24.2
0°-60°	7353.7	58.9
0°-90°	12481.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12481.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3728	3728	3728	3728	3728	
5°	3822	2486	2715	4016	3822	347
15°	3227	1086	1029	3018	3227	949
25°	4527	554	538	3567	4527	2101
35°	5870	418	402	4783	5870	3725
45°	7044	339	308	5687	7044	5455
55°	8120	287	256	6940	8120	7354
65°	9525	214	204	6846	9525	9134
75°	5196	146	130	3332	5196	5513
85°	1347	84	37	1008	1347	1342
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5
2.5°	3937.3	3932.1	3900.8	3801.6	3697.1	3597.9	3503.9	3404.7	3352.5	3289.8	3263.7
5°	3822.5	3812.0	3723.2	3503.9	3310.7	3101.8	2924.3	2783.3	2668.4	2553.5	2511.8
7.5°	3561.4	3545.7	3441.3	3138.4	2856.4	2584.9	2370.8	2188.0	2036.6	1968.7	1890.3
10°	3352.5	3326.4	3190.6	2856.4	2490.9	2219.3	2078.3	1953.0	1822.5	1712.8	1597.9
12.5°	3221.9	3190.6	3049.6	2658.0	2302.9	2099.2	1953.0	1812.0	1650.1	1514.4	1389.0
15°	3227.2	3190.6	3018.3	2605.7	2255.9	1994.8	1791.1	1597.9	1409.9	1258.5	1117.5
17.5°	3378.6	3331.6	3148.8	2678.9	2219.3	1859.0	1587.5	1336.8	1122.7	960.8	846.0
20°	3650.1	3618.8	3409.9	2788.5	2182.8	1712.8	1378.6	1075.7	851.2	725.8	678.9
22.5°	4057.4	4020.9	3796.3	2955.6	2172.3	1582.2	1154.0	846.0	684.1	631.9	605.7
25°	4527.4	4459.5	4250.7	3237.6	2193.2	1462.1	971.3	699.7	611.0	574.4	558.7
27.5°	4934.7	4893.0	4658.0	3503.9	2203.7	1368.1	846.0	637.1	569.2	537.9	527.4
30°	5242.8	5227.2	4997.4	3796.3	2177.5	1253.3	767.6	611.0	569.2	537.9	506.5
32.5°	5550.9	5556.1	5310.7	4020.9	2141.0	1154.0	694.5	543.1	501.3	480.4	485.6
35°	5869.5	5895.6	5686.7	4240.2	2062.7	1117.5	642.3	506.5	470.0	438.6	423.0
37.5°	6271.5	6339.4	6135.8	4485.6	1984.3	1086.2	616.2	480.4	443.9	417.8	396.9
40°	6595.3	6720.6	6600.5	4715.4	1932.1	1049.6	595.3	454.3	428.2	396.9	381.2
42.5°	6835.5	6981.7	6940.0	4893.0	1932.1	1013.1	574.4	438.6	417.8	381.2	360.3
45°	7044.4	7195.8	7190.6	5075.7	1973.9	992.2	548.3	438.6	407.3	370.8	349.9
47.5°	7232.4	7383.8	7436.0	5305.5	2041.8	981.7	517.0	428.2	407.3	365.5	334.2
50°	7436.0	7603.1	7759.8	5671.0	2125.3	955.6	496.1	412.5	412.5	360.3	323.8
52.5°	7697.1	7885.1	8172.3	6125.3	2208.9	908.6	464.8	402.1	412.5	355.1	313.3
55°	8120.1	8276.8	8652.7	6668.4	2313.3	851.2	438.6	376.0	391.6	339.4	297.7
57.5°	8595.3	8731.1	9044.4	7086.2	2344.6	778.1	402.1	349.9	376.0	323.8	276.8
60°	9180.2	9248.0	9248.0	7206.3	2240.2	710.2	376.0	329.0	339.4	308.1	261.1
62.5°	9550.9	9550.9	9248.0	6987.0	2041.8	652.7	355.1	308.1	297.7	287.2	245.4
65°	9524.8	9483.0	9033.9	6349.9	1812.0	616.2	334.2	282.0	266.3	261.1	229.8
67.5°	9086.2	9013.1	8402.1	5451.7	1571.8	600.5	313.3	255.9	245.4	235.0	208.9
70°	8156.7	7968.7	7216.7	4386.4	1336.8	590.1	308.1	235.0	224.5	214.1	193.2
72.5°	6809.4	6569.2	5634.5	3373.4	1122.7	553.5	292.4	208.9	203.7	193.2	172.3
75°	5195.8	4752.0	3932.1	2579.6	872.1	480.4	250.7	182.8	182.8	177.5	156.7
77.5°	3582.2	3352.5	2741.5	1906.0	637.1	370.8	203.7	161.9	161.9	167.1	146.2
80°	2532.6	2318.5	1953.0	1368.1	402.1	250.7	156.7	135.8	151.4	161.9	135.8
82.5°	1937.3	1780.7	1451.7	997.4	235.0	172.3	120.1	109.7	130.5	141.0	114.9
85°	1347.3	1159.3	736.3	668.4	135.8	104.4	88.8	88.8	114.9	141.0	104.4
87.5°	381.2	161.9	47.0	198.4	57.4	41.8	31.3	20.9	31.3	31.3	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5
2.5°	3237.6	3206.3	3206.3	3195.8	3201.0	3206.3	3201.0	3237.6	3253.3	3274.2	3315.9
5°	2485.6	2527.4	2496.1	2527.4	2569.2	2631.9	2647.5	2694.5	2699.7	2736.3	2715.4
7.5°	1843.3	1838.1	1812.0	1848.6	1963.4	2052.2	2094.0	2120.1	2125.3	2125.3	2099.2
10°	1561.4	1514.4	1467.4	1441.3	1451.7	1545.7	1577.0	1592.7	1582.2	1597.9	1577.0
12.5°	1336.8	1295.0	1227.2	1180.2	1148.8	1174.9	1206.3	1221.9	1232.4	1258.5	1279.4
15°	1086.2	1044.4	1002.6	976.5	950.4	929.5	955.6	971.3	997.4	1018.3	1028.7
17.5°	825.1	804.2	783.3	799.0	799.0	788.5	799.0	804.2	814.6	830.3	825.1
20°	668.4	663.2	658.0	684.1	705.0	705.0	715.4	699.7	694.5	678.9	673.6
22.5°	595.3	595.3	600.5	621.4	642.3	652.7	652.7	626.6	600.5	590.1	595.3
25°	553.5	553.5	569.2	574.4	584.9	584.9	590.1	564.0	548.3	532.6	537.9
27.5°	522.2	522.2	527.4	527.4	532.6	532.6	537.9	527.4	506.5	501.3	501.3
30°	501.3	501.3	496.1	496.1	496.1	496.1	501.3	485.6	475.2	470.0	470.0
32.5°	480.4	475.2	470.0	470.0	464.8	464.8	470.0	454.3	449.1	449.1	449.1
35°	417.8	412.5	417.8	428.2	428.2	433.4	433.4	428.2	417.8	407.3	402.1
37.5°	391.6	386.4	386.4	386.4	396.9	402.1	407.3	396.9	381.2	365.5	365.5
40°	370.8	370.8	365.5	365.5	365.5	376.0	386.4	370.8	349.9	344.6	344.6
42.5°	355.1	349.9	344.6	339.4	334.2	349.9	360.3	339.4	329.0	329.0	329.0
45°	339.4	334.2	329.0	323.8	318.5	323.8	334.2	313.3	308.1	308.1	308.1
47.5°	323.8	318.5	308.1	302.9	297.7	297.7	308.1	292.4	287.2	292.4	292.4
50°	313.3	302.9	292.4	287.2	282.0	282.0	282.0	276.8	276.8	276.8	282.0
52.5°	302.9	292.4	276.8	271.5	266.3	266.3	266.3	266.3	261.1	266.3	271.5
55°	287.2	276.8	266.3	261.1	255.9	250.7	255.9	250.7	250.7	255.9	255.9
57.5°	266.3	255.9	245.4	245.4	240.2	240.2	245.4	240.2	240.2	245.4	245.4
60°	250.7	240.2	229.8	229.8	224.5	229.8	235.0	229.8	229.8	229.8	235.0
62.5°	229.8	224.5	214.1	214.1	214.1	214.1	219.3	214.1	219.3	219.3	219.3
65°	214.1	203.7	198.4	198.4	198.4	198.4	208.9	198.4	203.7	203.7	203.7
67.5°	198.4	188.0	182.8	182.8	182.8	182.8	193.2	182.8	188.0	193.2	188.0
70°	182.8	172.3	167.1	167.1	167.1	167.1	172.3	167.1	167.1	172.3	172.3
72.5°	161.9	156.7	151.4	151.4	146.2	151.4	156.7	151.4	151.4	151.4	151.4
75°	146.2	141.0	141.0	135.8	135.8	135.8	141.0	130.5	130.5	130.5	130.5
77.5°	135.8	125.3	125.3	125.3	120.1	125.3	120.1	109.7	109.7	109.7	109.7
80°	114.9	104.4	109.7	109.7	104.4	104.4	99.2	88.8	88.8	88.8	88.8
82.5°	94.0	83.6	88.8	88.8	88.8	88.8	78.3	73.1	67.9	62.7	62.7
85°	83.6	67.9	78.3	78.3	73.1	73.1	52.2	52.2	41.8	41.8	36.6
87.5°	15.7	10.4	20.9	26.1	26.1	31.3	20.9	26.1	15.7	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5
2.5°	3310.7	3368.1	3446.5	3503.9	3592.7	3660.6	3765.0	3853.8	3937.3	3973.9	4010.4
5°	2778.1	2814.6	2934.7	3028.7	3169.7	3321.2	3509.1	3712.8	3921.7	4015.7	4125.3
7.5°	2078.3	2146.2	2214.1	2349.9	2522.2	2767.6	3007.8	3310.7	3603.1	3744.1	3932.1
10°	1613.6	1665.8	1744.1	1885.1	2047.0	2250.7	2537.9	2898.2	3248.0	3430.8	3624.0
12.5°	1295.0	1368.1	1472.6	1618.8	1806.8	2015.7	2224.5	2558.7	2966.1	3174.9	3394.3
15°	1049.6	1107.1	1221.9	1404.7	1624.0	1838.1	2057.4	2334.2	2778.1	3018.3	3279.4
17.5°	835.5	877.3	981.7	1164.5	1383.8	1624.0	1874.7	2224.5	2715.4	3007.8	3315.9
20°	678.9	710.2	778.1	913.8	1122.7	1383.8	1697.1	2120.1	2752.0	3127.9	3503.9
22.5°	595.3	605.7	637.1	710.2	882.5	1159.3	1535.2	2031.3	2819.8	3305.5	3812.0
25°	537.9	548.3	558.7	605.7	705.0	966.1	1394.3	1979.1	2966.1	3566.6	4167.1
27.5°	501.3	511.7	517.0	537.9	605.7	825.1	1274.2	1947.8	3164.5	3947.8	4605.7
30°	470.0	470.0	485.6	517.0	564.0	725.8	1169.7	1874.7	3373.4	4266.3	4950.4
32.5°	443.9	449.1	470.0	485.6	517.0	642.3	1065.3	1780.7	3561.4	4527.4	5289.8
35°	396.9	396.9	402.1	428.2	470.0	574.4	971.3	1686.7	3665.8	4783.3	5592.7
37.5°	365.5	370.8	381.2	402.1	438.6	527.4	893.0	1582.2	3775.5	5023.5	5947.8
40°	344.6	349.9	360.3	381.2	417.8	485.6	825.1	1498.7	3890.3	5284.6	6329.0
42.5°	329.0	334.2	344.6	365.5	396.9	475.2	752.0	1430.8	3958.2	5524.8	6689.3
45°	313.3	318.5	334.2	355.1	381.2	464.8	710.2	1383.8	3984.3	5686.7	6976.5
47.5°	297.7	302.9	318.5	349.9	381.2	449.1	694.5	1357.7	4005.2	5869.5	7206.3
50°	282.0	292.4	313.3	344.6	386.4	428.2	684.1	1352.5	4125.3	6104.4	7425.6
52.5°	271.5	287.2	308.1	344.6	381.2	396.9	678.9	1368.1	4365.5	6454.3	7738.9
55°	261.1	276.8	297.7	344.6	365.5	370.8	652.7	1394.3	4731.1	6940.0	8182.8
57.5°	250.7	261.1	287.2	334.2	344.6	349.9	600.5	1430.8	5096.6	7415.1	8637.1
60°	235.0	245.4	271.5	334.2	313.3	329.0	532.6	1441.3	5357.7	7566.6	8678.9
62.5°	219.3	229.8	255.9	344.6	287.2	308.1	475.2	1404.7	5409.9	7347.3	8443.9
65°	203.7	214.1	235.0	287.2	266.3	287.2	438.6	1305.5	5237.6	6846.0	8015.7
67.5°	188.0	198.4	214.1	235.0	240.2	261.1	423.0	1148.8	4804.2	6224.5	7430.8
70°	167.1	177.5	193.2	208.9	214.1	245.4	396.9	997.4	4104.4	5394.3	6715.4
72.5°	151.4	156.7	172.3	182.8	193.2	224.5	381.2	872.1	3138.4	4365.5	5477.8
75°	130.5	130.5	146.2	156.7	167.1	198.4	349.9	725.8	2214.1	3331.6	4026.1
77.5°	109.7	109.7	120.1	130.5	141.0	172.3	297.7	590.1	1535.2	2642.3	2919.1
80°	83.6	83.6	94.0	104.4	114.9	146.2	240.2	433.4	950.4	1932.1	2125.3
82.5°	57.4	57.4	73.1	78.3	83.6	114.9	182.8	297.7	558.7	1394.3	1519.6
85°	31.3	31.3	41.8	47.0	57.4	83.6	135.8	208.9	334.2	1007.8	1013.1
87.5°	5.2	5.2	15.7	15.7	26.1	41.8	78.3	114.9	188.0	558.7	355.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P598834  
 CATALOG NUMBER: IFLD-M-SA4A-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5	3728.5
2.5°	4078.3	4135.8	4141.0	4141.0	4114.9	4120.1	4047.0	3968.7	3942.6	3937.3
5°	4292.4	4443.9	4485.6	4506.5	4438.6	4334.2	4146.2	3942.6	3838.1	3822.5
7.5°	4250.7	4553.5	4715.4	4736.3	4600.5	4355.1	4026.1	3712.8	3592.7	3561.4
10°	4005.2	4412.5	4705.0	4778.1	4631.9	4318.5	3890.3	3524.8	3378.6	3352.5
12.5°	3832.9	4224.5	4511.8	4611.0	4543.1	4271.5	3822.5	3404.7	3258.5	3221.9
15°	3738.9	4099.2	4287.2	4318.5	4313.3	4198.4	3822.5	3430.8	3268.9	3227.2
17.5°	3817.2	4062.7	4088.8	4015.7	4057.4	4114.9	3906.0	3571.8	3415.1	3378.6
20°	3973.9	4047.0	3921.7	3812.0	3832.9	4015.7	4036.6	3838.1	3712.8	3650.1
22.5°	4302.9	4104.4	3817.2	3665.8	3681.5	3937.3	4208.9	4198.4	4088.8	4057.4
25°	4637.1	4266.3	3785.9	3608.4	3629.2	3921.7	4412.5	4600.5	4543.1	4527.4
27.5°	5007.8	4537.9	3806.8	3582.2	3608.4	3942.6	4553.5	4940.0	4950.4	4934.7
30°	5258.5	4668.4	3869.5	3613.6	3650.1	3994.8	4584.9	5143.6	5237.6	5242.8
32.5°	5467.4	4799.0	4000.0	3665.8	3728.5	4088.8	4668.4	5336.8	5545.7	5550.9
35°	5634.5	4945.2	4161.9	3759.8	3853.8	4245.4	4778.1	5519.6	5832.9	5869.5
37.5°	5848.6	5107.1	4349.9	3963.4	4067.9	4470.0	4971.3	5733.7	6172.3	6271.5
40°	6078.3	5268.9	4621.4	4292.4	4443.9	4804.2	5190.6	5973.9	6459.5	6595.3
42.5°	6334.2	5441.3	4929.5	4736.3	4966.1	5227.2	5441.3	6193.2	6678.9	6835.5
45°	6584.9	5650.1	5378.6	5342.0	5597.9	5728.5	5686.7	6349.9	6887.7	7044.4
47.5°	6762.4	5953.0	5921.7	6141.0	6381.2	6313.3	5973.9	6464.8	7060.1	7232.4
50°	6924.3	6329.0	6605.7	7033.9	7180.2	6950.4	6282.0	6621.4	7242.8	7436.0
52.5°	7164.5	6731.1	7310.7	7843.3	7984.3	7618.8	6616.2	6877.3	7524.8	7697.1
55°	7655.4	7185.4	8047.0	8658.0	8684.1	8229.8	7065.3	7310.7	7921.7	8120.1
57.5°	8203.7	7744.1	8631.9	9331.6	9321.2	8840.7	7571.8	7895.6	8459.5	8595.3
60°	8699.7	8308.1	9268.9	9812.0	9785.9	9284.6	8161.9	8558.8	9075.7	9180.2
62.5°	8992.2	8819.9	9550.9	9963.5	9864.2	9430.8	8663.2	9148.8	9514.4	9550.9
65°	8945.2	9112.3	9221.9	9477.8	9336.8	9023.5	8908.6	9524.8	9561.4	9524.8
67.5°	8590.1	8945.2	8318.5	8344.7	8271.5	8005.2	8527.4	9425.6	9174.9	9086.2
70°	8052.2	8078.3	6955.6	6626.6	6741.5	6376.0	7315.9	8652.7	8266.3	8156.7
72.5°	7159.3	6835.5	5258.5	4924.3	5096.6	4835.5	5869.5	7540.5	7164.5	6809.4
75°	6005.2	5415.1	4005.2	3530.0	3618.8	3608.4	4548.3	6229.8	5550.9	5195.8
77.5°	4652.7	4219.3	2955.6	2772.8	2678.9	2699.7	3174.9	4631.9	4026.1	3582.2
80°	3399.5	2950.4	2287.2	2391.6	2339.4	2214.1	2224.5	3101.8	2799.0	2532.6
82.5°	2349.9	2099.2	1853.8	2094.0	1968.7	1775.5	1733.7	2235.0	2099.2	1937.3
85°	1577.0	1728.5	1472.6	1603.1	1389.0	1279.4	1629.2	1869.5	1509.1	1347.3
87.5°	1028.7	1582.2	1060.1	804.2	459.5	616.2	997.4	1227.2	705.0	381.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)